Cambrios ClearOhm™ Coating Material
Coating material for creating the industry’s highest optical quality transparent conductive layers

• Low cost solution for touch panel, EMI shielding, E-paper, LCD, OLED lighting, OLED displays, Organic PV, thin film PV and other applications

• Wet processable solution compatible with industry standard coating processes and equipment

• High transmission over a wide range of sheet resistance (< 10 to 300 Ω/sq) meeting the requirements for many different applications

• Superior flexibility and ductility to improve yields and enable truly flexible products

• Low processing temperatures to enable use of substrates such as PET and applications requiring low temperatures

• Same throughput regardless of sheet resistance

• Low material and processing costs

• Solution coating for lower CapEx compared to ITO

• Tight quality control to ensure batch to batch reproducibility

Transmission and conductivity of ClearOhm based transparent conductive film can be easily tailored to your needs by simply varying coating parameters, such as wet film thickness, or by changing the initial solution formulation. The result is the ability to coat films with superior optical qualities over a broad range of sheet resistances without impacting production throughput.
ClearOhm Film™ ink can be used to create the world’s highest performance transparent conductive film using several different roll-to-roll wet coating processes. Process temperatures are < 120°C.

ClearOhm Film™ Manufacturing Process

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HEADQUARTERS
Cambrios Technologies Corporation
930 East Arques Ave.
Sunnyvale, CA 94085 USA
+1-408-738-7400

SALES
Sumitomo Corporation Tokyo
Takashi Miyagawa
+81-(0)3-5166-4553
Takashi.miyagawa@sumitomocorp.co.jp

Takashi Teramachi
+81-(0)3-5166-4559
takashi.teramachi@sumitomocorp.co.jp

E-Tech Center Co., Ltd.
Seoul, Korea
Ho Sik Kim
+82-(0)2-6242-6012
hskim@re-tech.co.kr

Sumitronics Taiwan Co., Ltd.
Demi Chen
+886-(0)3-571-1499 #603
demi.chen@mail.sumitronics.com.tw

Sojitz (Shanghai) Ltd.
China
Yiping Zhu
+86-(0)21-6472-2261 x203
zhu.yiping@sea.sojitz.com

For more information about ClearOhm Film products, please contact your Cambrios sales representative or e-mail info@cambrios.com.

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